

# Notice of Allowability

Application No.

09/905,052

Examiner

Lynette T. Umez-Eronini

Applicant(s)

SAMUKAWA, HIROSHI

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## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/10/05.
2. ☒ The allowed claim(s) is/are 9-28.
3. ☒ The drawings filed on 12 July 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 8/17/2005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**NADINE G. NORTON**  
**SUPERVISORY PATENT EXAMINER**

## **DETAILED ACTION**

### ***Request for Continued Examination***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/10/2005 has been entered.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Chyau T. Liang on 8/17/2005.

The application has been amended as follows:

Cancel claims 1-8;

In claim 9, line 17, insert --then-- before "separating the resist layer from the resin layer; and";

In claim 10, line 17, insert --then-- before "separating the resist layer from the resin layer; and";

In claim 15, line 23, insert --then-- before "separating the resist layer from the resin layer; and";

In claim 16, line 27, insert --then-- before "separating the resist layer from the resin layer; and";

In claim 17, line 21, insert --then-- before "separating the resist layer from the resin layer; and"; and

In claim 18, line 23, insert --then-- before "separating the resist layer from the resin layer; and".

3. The following is an examiner's statement of reasons for allowance:

As to claims 9 and 19, the prior art of record taken alone or in combination fails to suggest, teach or render obvious a method for etching a resin layer comprising, the sequence of steps as recited in claim 9 and in combination with the rest of the limitations of the said claims;

As to claims 10-14 and 20, the prior art of record taken alone or in combination fails to suggest, teach or render obvious a method for etching a resin layer comprising, the sequence of steps as recited in claim 10 and in combination with the rest of the limitations of the said claims;

As to claims 15, 21, and 22, the prior art of record taken alone or in combination fails to suggest, teach or render obvious a method for manufacturing a flexible wiring board, comprising the sequence of steps as recited in claim 15 and in combination with the rest of the limitations of the said claims;

As to claims 16, 23, and 24, the prior art of record taken alone or in combination fails to suggest, teach or render obvious a method for manufacturing a flexible wiring board, comprising the sequence of steps as recited in claim 16 and in combination with the rest of the limitations of the said claims;

As to claims 17, 25, and 26, the prior art of record taken alone or in combination fails to suggest, teach or render obvious a method for manufacturing a flexible wiring board, comprising the sequence of steps as recited in claim 17 and in combination with the rest of the limitations of the said claims; and

As to claims 18, 27, and 28, the prior art of record taken alone or in combination fails to suggest, teach or render obvious a method for manufacturing a flexible wiring board, comprising the sequence of steps as recited in claim 18 and in combination with the rest of the limitations of the said claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynette T. Umez-Eronini whose telephone number is 571-272-1470. The examiner can normally be reached on is normally unavailable on the First Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571-272-1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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August 18, 2005

NADINE G. NORTON  
SUPERVISORY PATENT EXAMINER

